Research data survey @Kumpula geosciences

Results of a survey by Kumpula Campus Library in April 2013

First, some background

- HU Library Research Data group 2011-
- A library pilot project with Kirsti Korkka-Niemi's "Groundwater-surface water interaction at Lake Pyhäjärvi, SW Finland"
- The group was testing the new CSC IDA services

Who received the questionnaire?

- The library made an initial assessment of the research data situation in Kumpula
- The most acute and concrete need for support in Kumpula seems to be in geosciences

- The questionnaire was sent to:
  - The Department of Geosciences and Geography
  - The Department of Physics
    - Geophysics and Astronomy Division (astronomy excluded)
    - Atmospheric Sciences Division

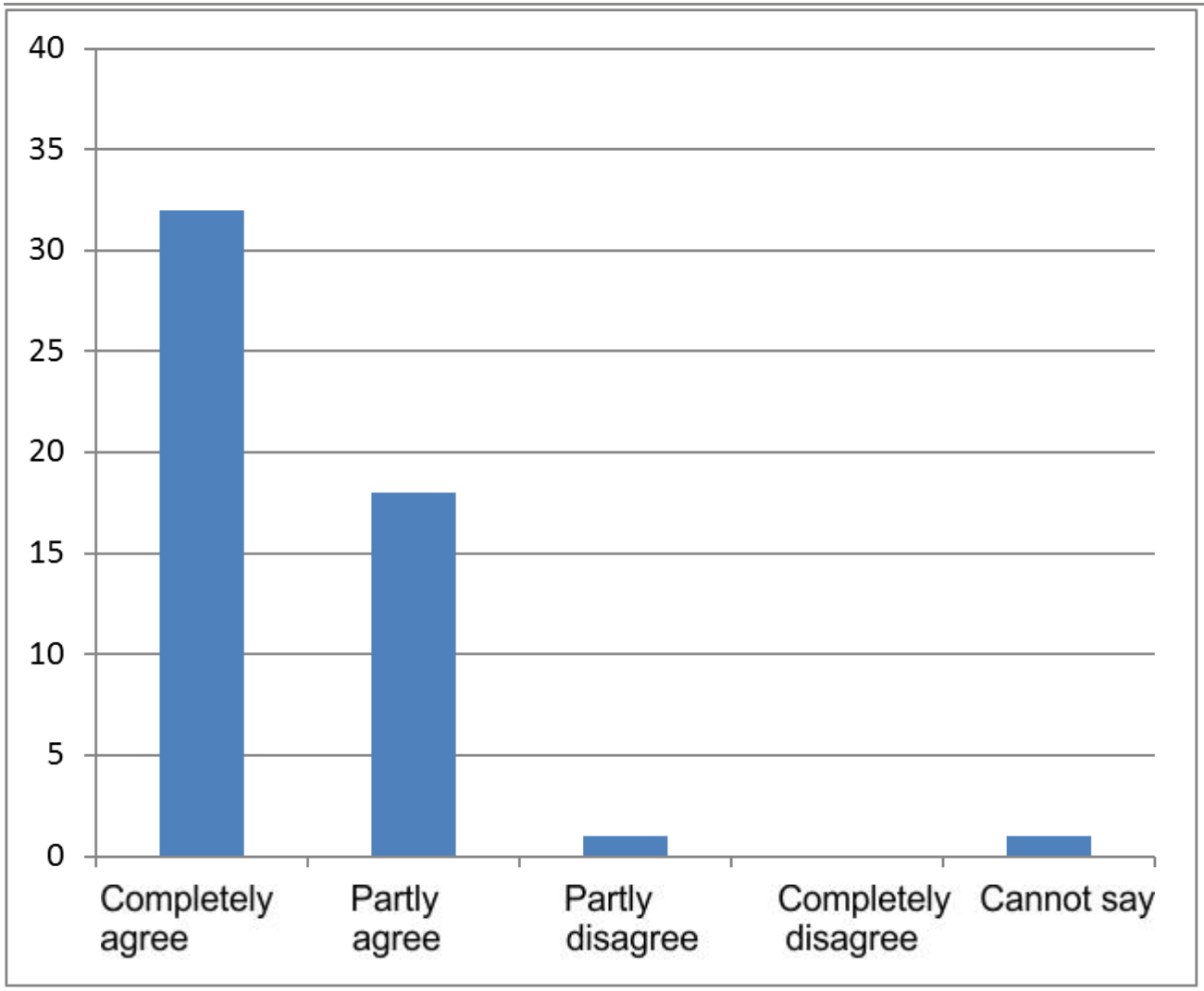
Why, when, and how many?

- The aim of the survey was to identify support needs among researchers and to draw some conclusions about the role of the library.
- The questionnaire was open for two weeks in April 2013.
- We received 52 answers, most (32) were from Department of Physics.
  - Approximately one half of respondents were teaching/research personnel, slightly less than one half were postgraduate students

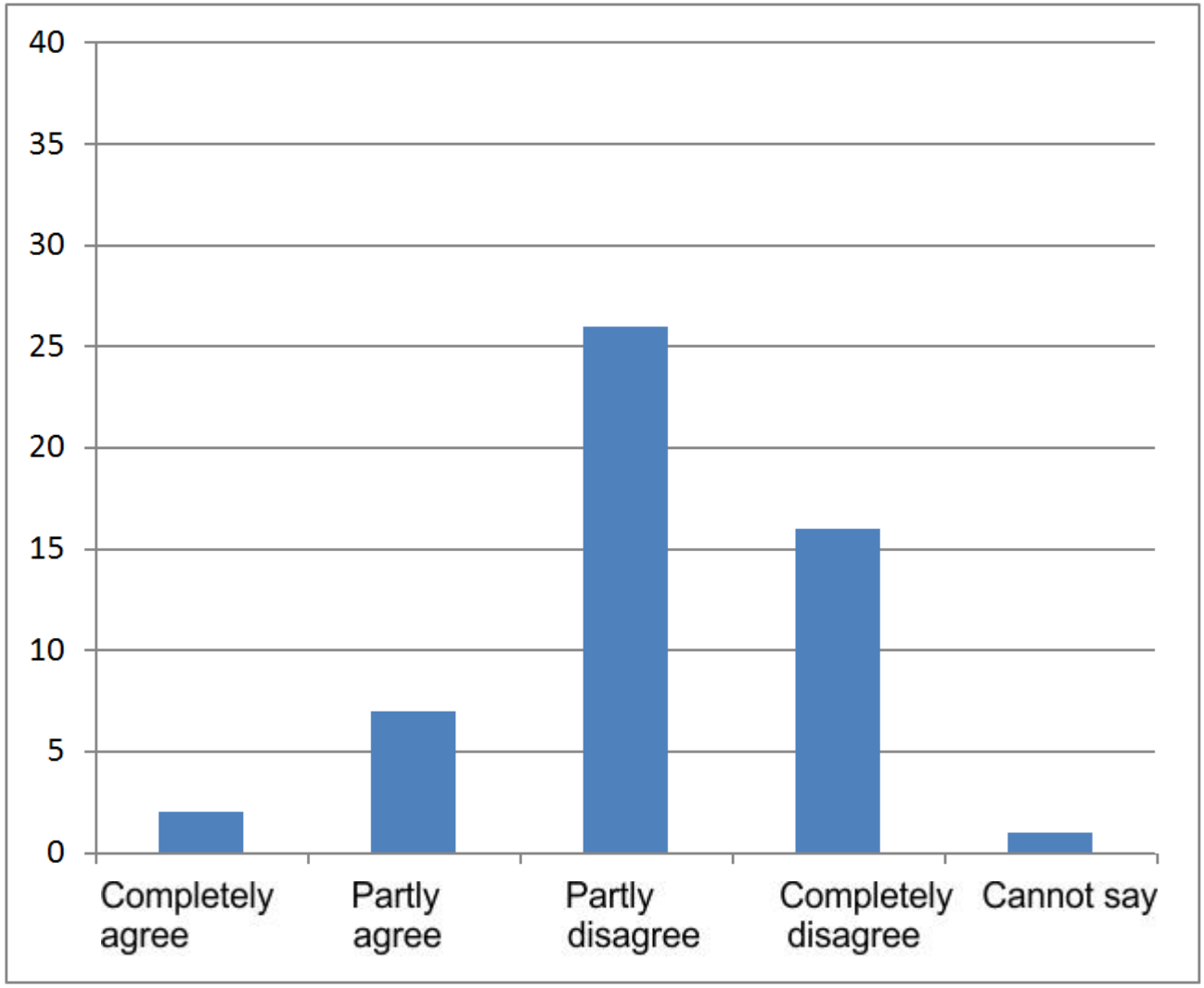
Claims regarding research data

- Seven claims (1 – 7)
- Options:
  - Completely agree
  - Partly agree
  - Partly disagree
  - Completely disagree
  - Cannot say

1. My research produces data suitable for reuse.



2. I´m sufficiently aware of existing services for storing research data.



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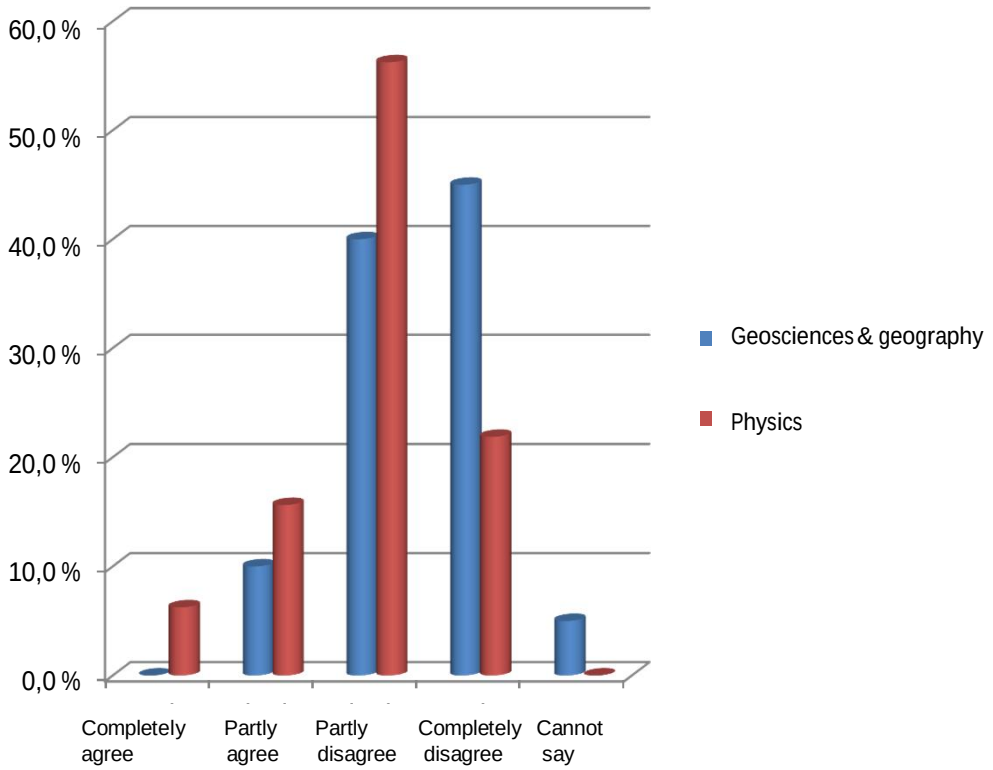
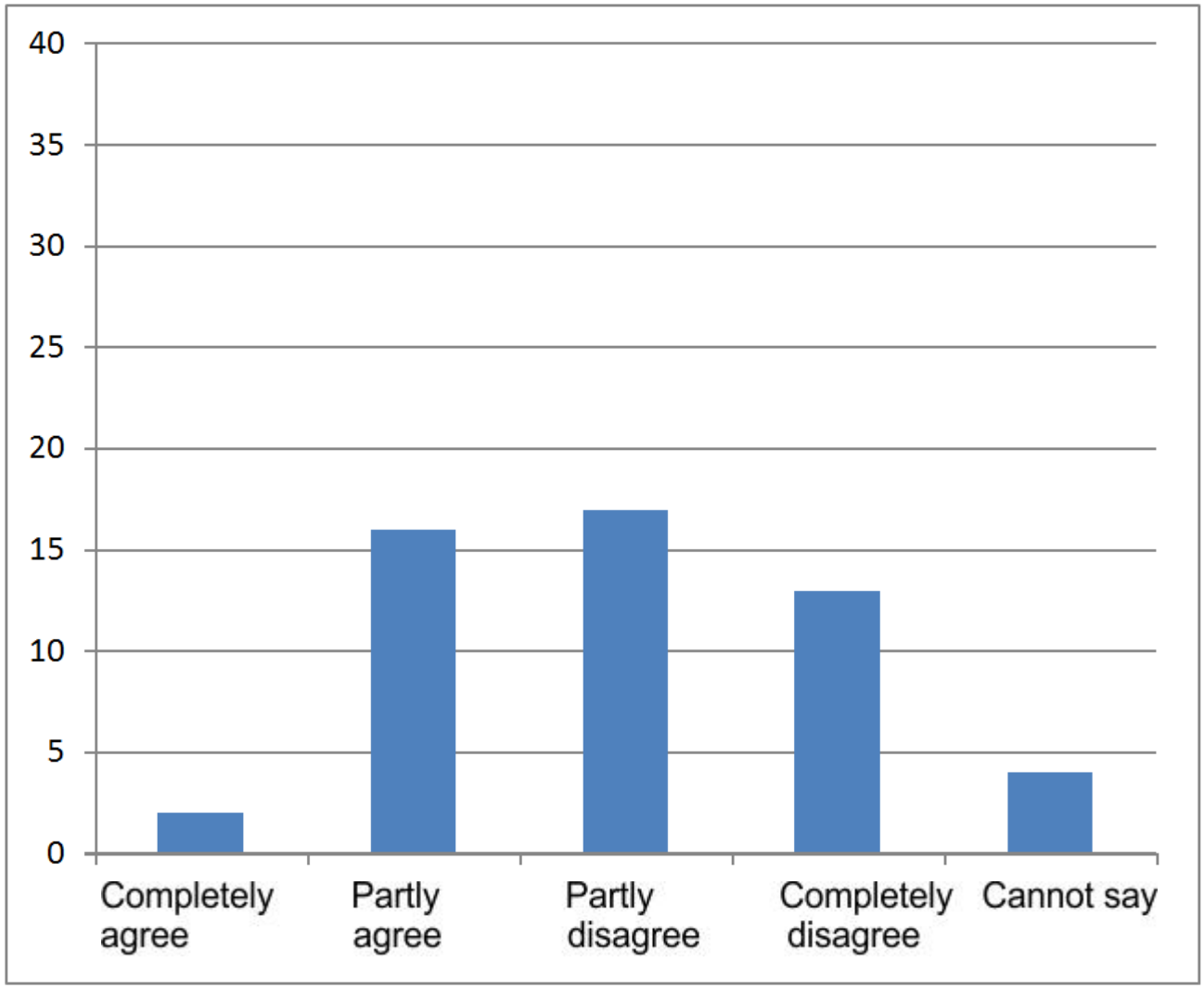
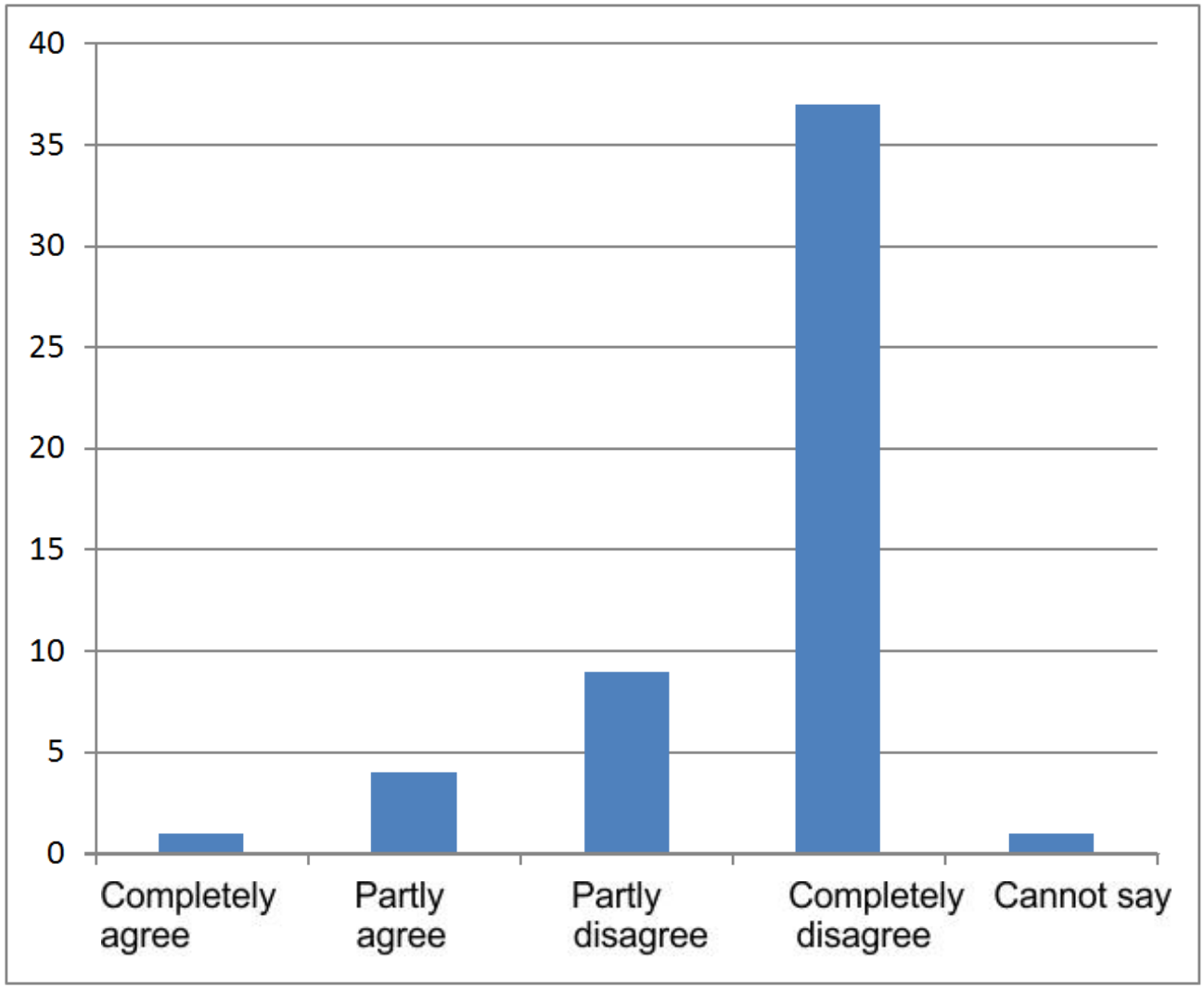


- Geoscientists agree completely or at least partly
- Some physics dept respondents are well aware of existing services, but others mostly disagree
- Storage options seem to be better known among physics respondents

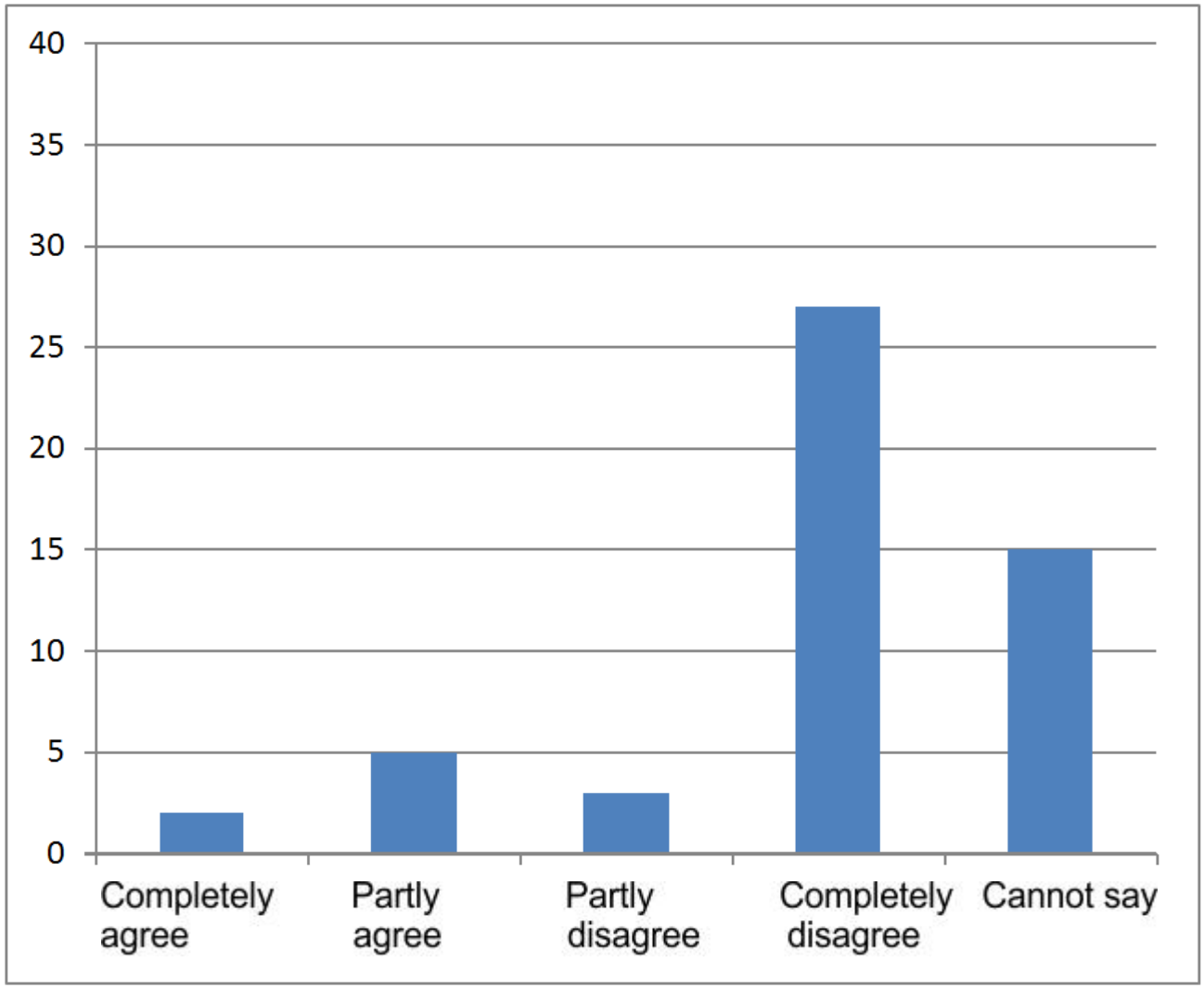
3. The long term use and storage of my research data has been secured.



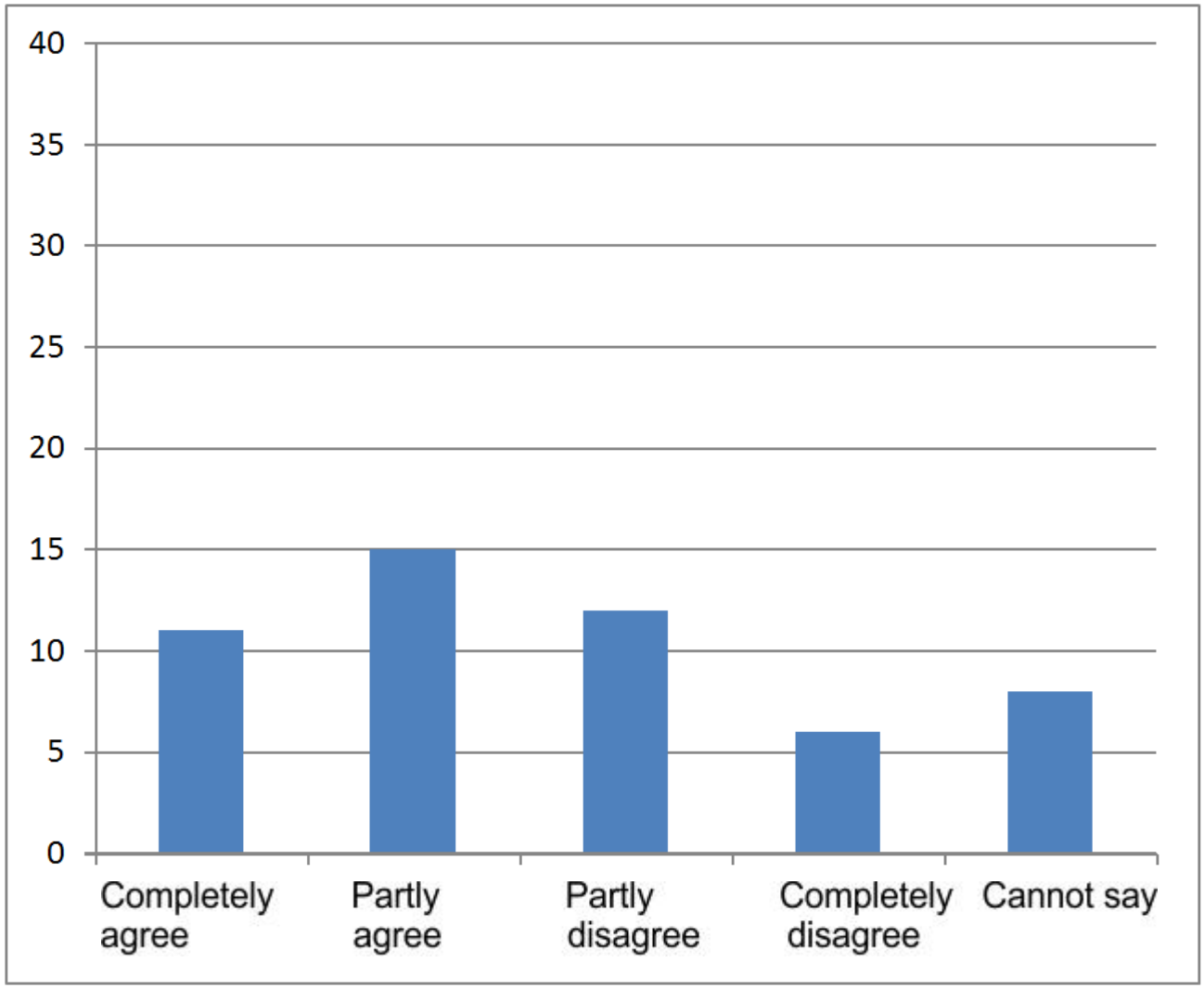
4. My research data does not need storing, as it can be easily reproduced.



5. The project I´m working with has a written data management plan.



6. The proprietary rights of my research data are explicit.



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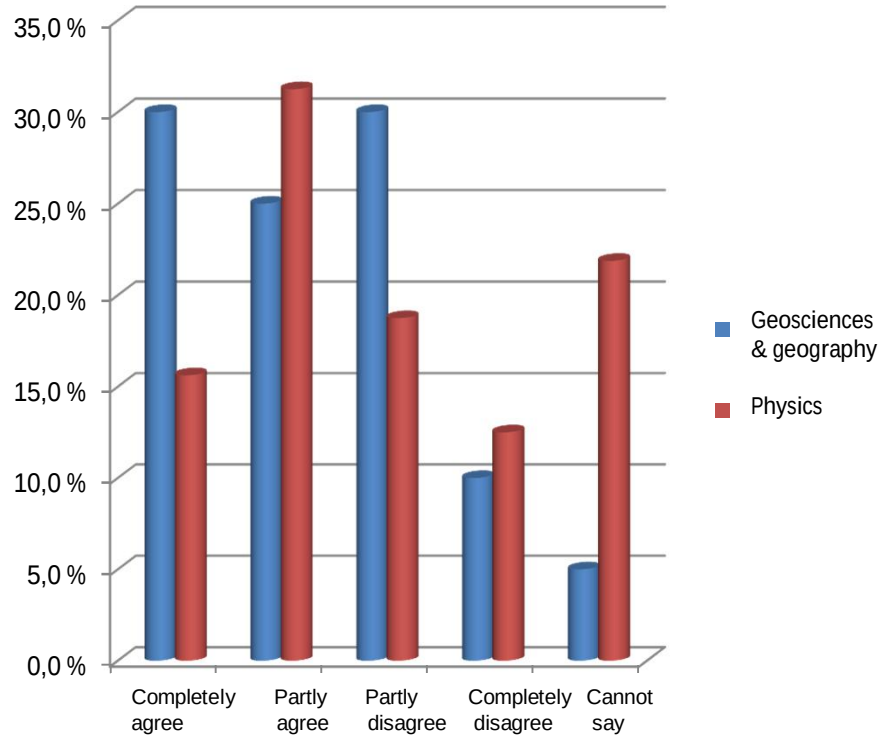
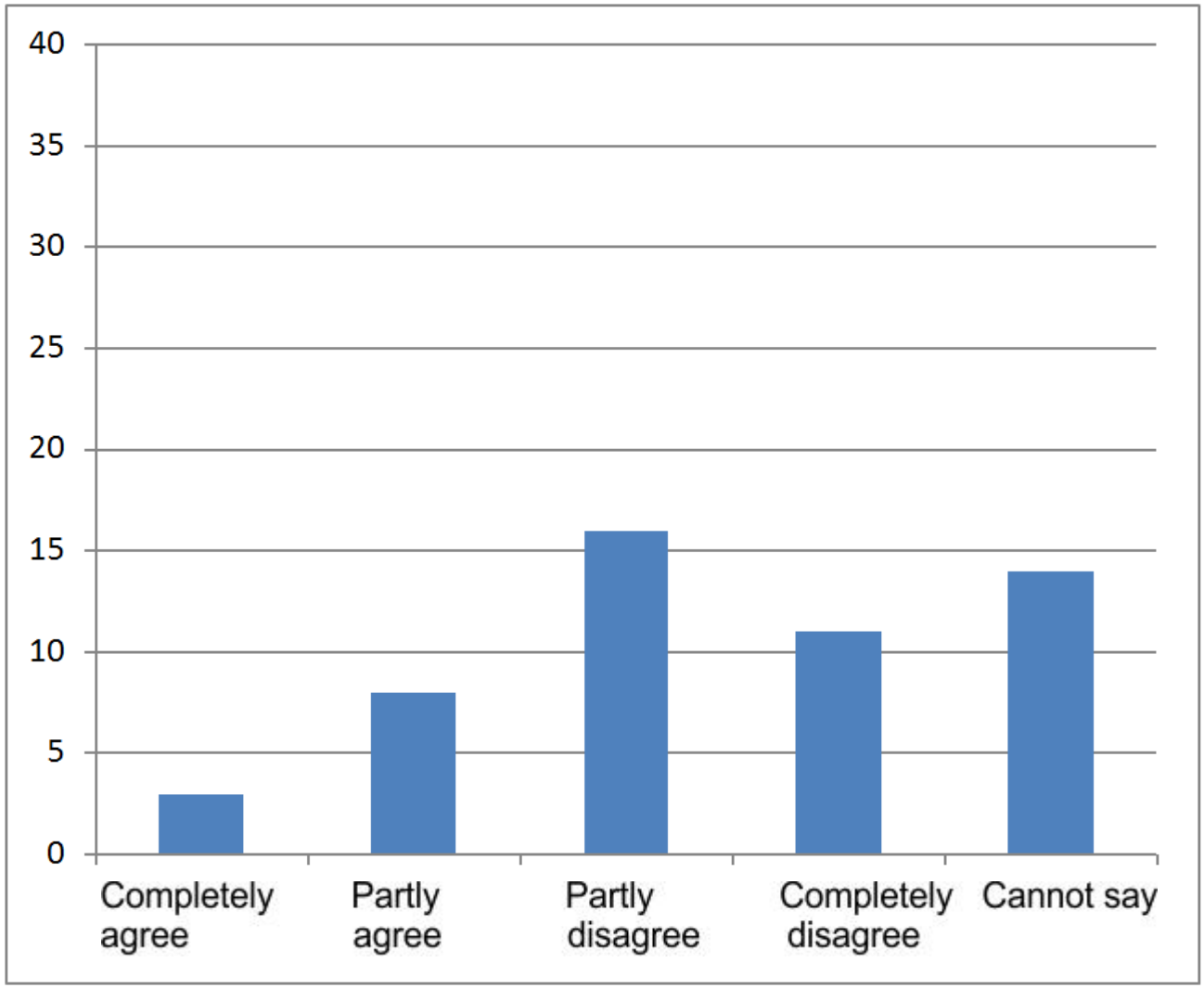


- Geosciences dept: as a whole, a more clear picture about proprietary rights
- Physics dept: More diversity in answers – some are getting it, but ¼ of respondents cannot say

7. Data management costs are taken into account by my research project.



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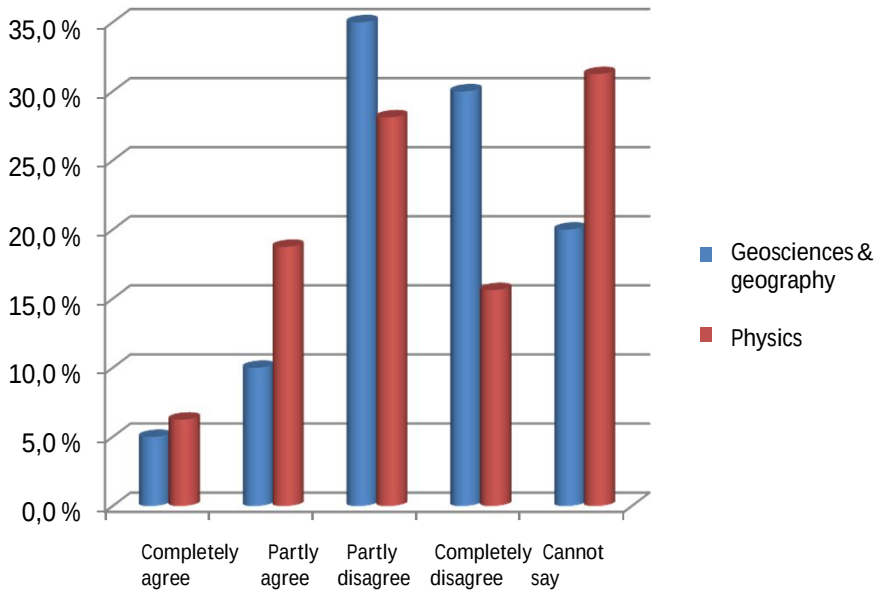
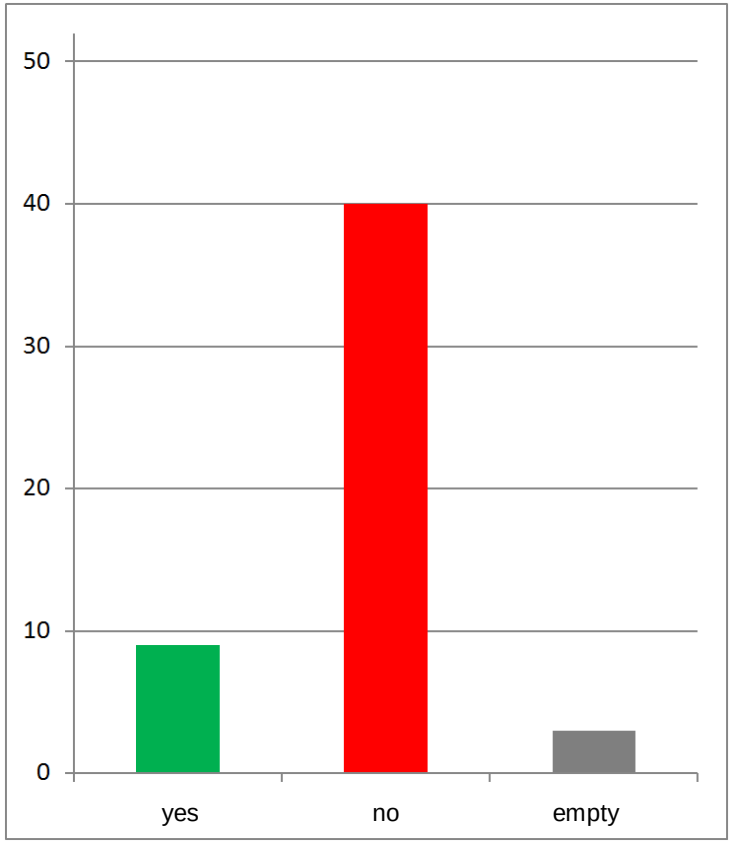


- Similar answer distribution in general
- Physics dept: more respondents cannot say

Data management plan, data organizing and storage

- Two questions (8 – 9)
- Options:
  - yes
  - no
- Two follow-up questions

8. You apply for funding for a new project. The funding agency expects a data management plan as a part of your application, but provides no guidance for composing it. Do you know where to get more information?



Follow-up question:
If the answer is no, what is the biggest problem with finding the necessary information.

8. What is the biggest problem with finding the necessary DMP information?
(20 comments)

- Most respondents were unfamiliar with the subject or they had not needed to tackle it in practice.
- Those who had DMP experience, commented:
  - It is difficult to guess how detailed the DMP should be.
  - It is not clear how long-term data storage is solved after the project is finished.

Tieto voisi olla selkeästi ALMAssa tai jossain selkeästi esillä

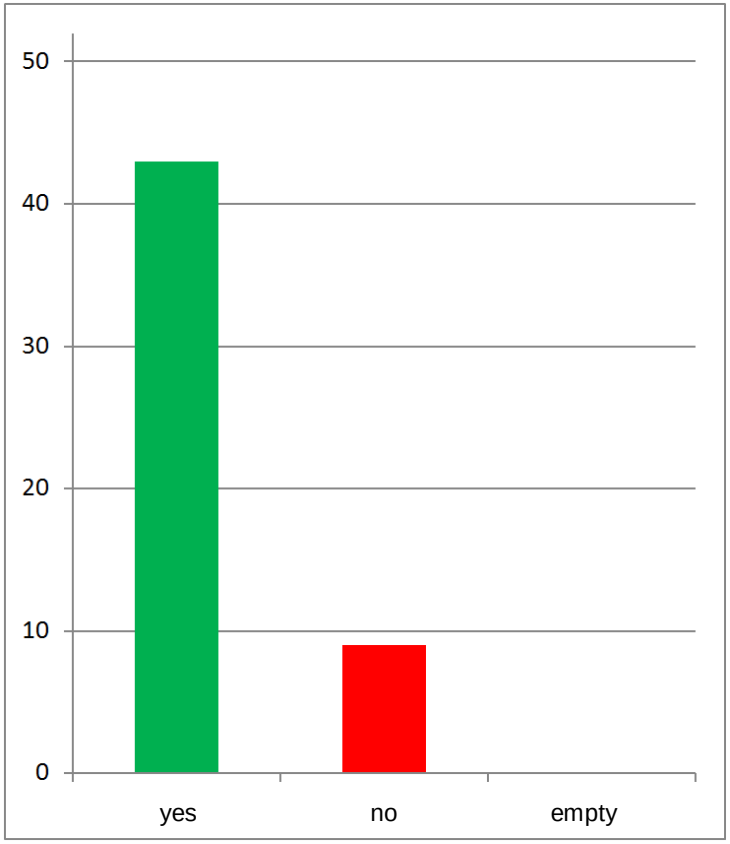
En oikeastaan edes tiedä mistä aineistonhallinnassa on kyse. Varmaan aloittaisin homman "googlettamalla".

En usko että suunnitelmaan liittyvän tiedon hankinnassa on mitään ongelmallista; en vain juuri NYT tiedä asiasta mitään, koska en ole joutunut tätä pohtimaan.

avuksi olisi mallisuunnitelma jota on käytetty vastaavassa tapauksessa. en tiedä mistä sellaisen saisi, varmaan kysyisin kollegalta ensin

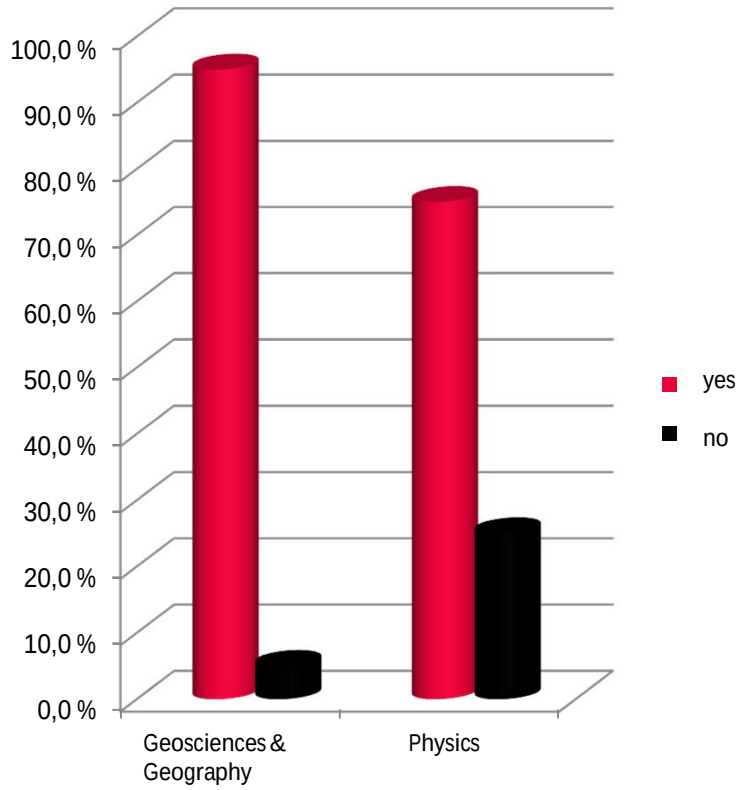
Asiasta ei ole tiedotettu.

9. Do you wish your research data were organised better and stored safely?



Follow-up question:
If the answer is yes, what support/guidelines/instructions would you need.

9. Do you wish your research data were organised better and stored safely?



- Geosciences: a stronger need

9. What support/guidelines/instructions would you need so that your data were organized better and stored safely. (24 comments)

- The respondents wanted more info on e.g.:
  - Research data management options (vs. the data is currently on hard disks and external discs)
  - Back-ups, safe storage and more storage media
  - Data documentation
  - Data search options and data access/usage rights
  - More physical disc space, practical data archival system with easy file saving, suitable structures for storing complex data

Tarvitsen työntekijän, joka hoitaisi asian, ja palkan hänelle.

Geologinen data on näytesidonnaista. Datan tallentaminen muille käytettävissä olevaan muotoon vaatisi henkilökohtaisen sihteerin tai paljon aikaa.

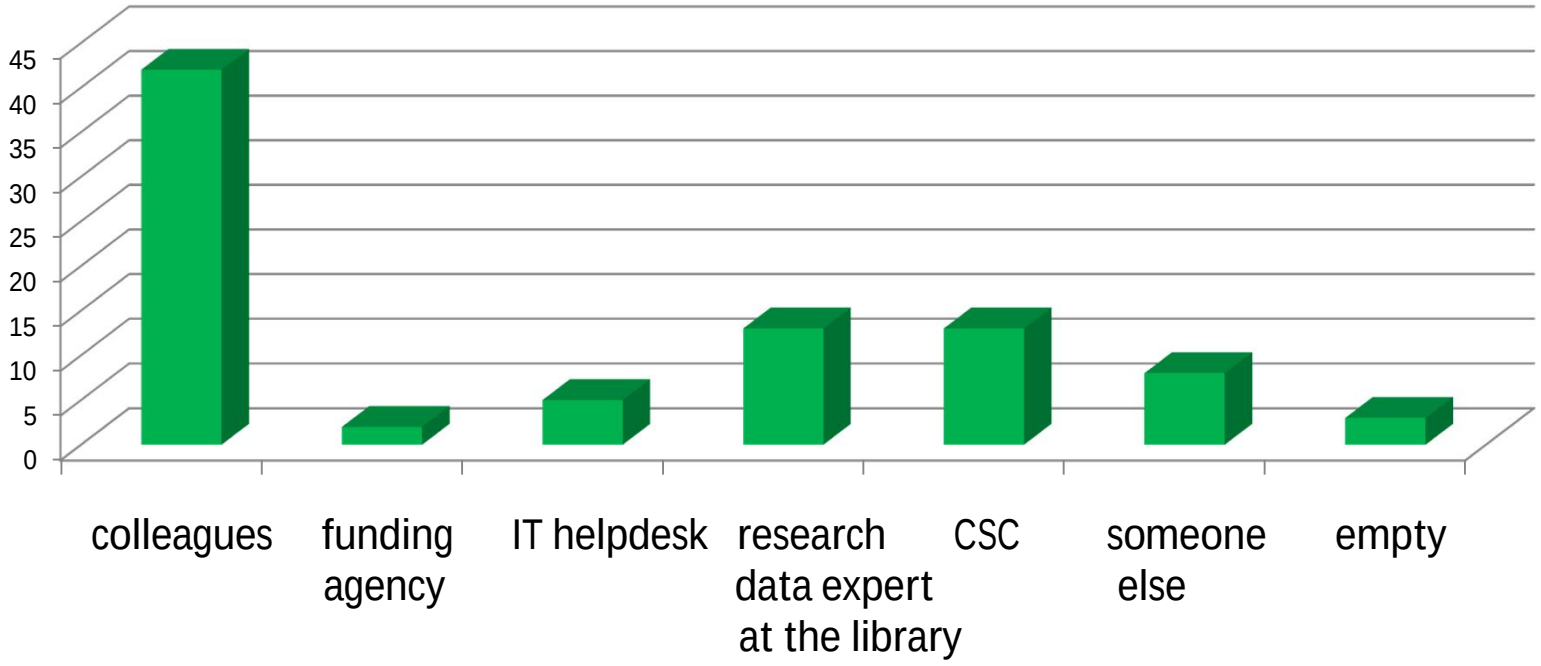
olisi hyödyksi laitoksen yhteinen tilaisuus jossa asia käsiteltäisiin juuri meidän laitoksen hankkeiden kannalta, kokemuksin ja esimerkein

Koska tutkimusaineistoni on henkilökohtainen, ei siis osana projektia, haluan itse säilyttää sen. Mutta kaipaisin rahallisia ja teknisiä resursseja minidiscaineiston muuttamisesta turvallisempaan muotoon

Open research data and directives in University of Helsinki

- Two questions (10 – 11)
- Options:
  - colleagues
  - funding agency
  - IT helpdesk
  - research data expert at the library
  - CSC
  - someone else
  - empty

10. In your new project you want to utilize Open Access research data and/or provide open access to your project data. Who can tell you what data archives are in use in your field of research?



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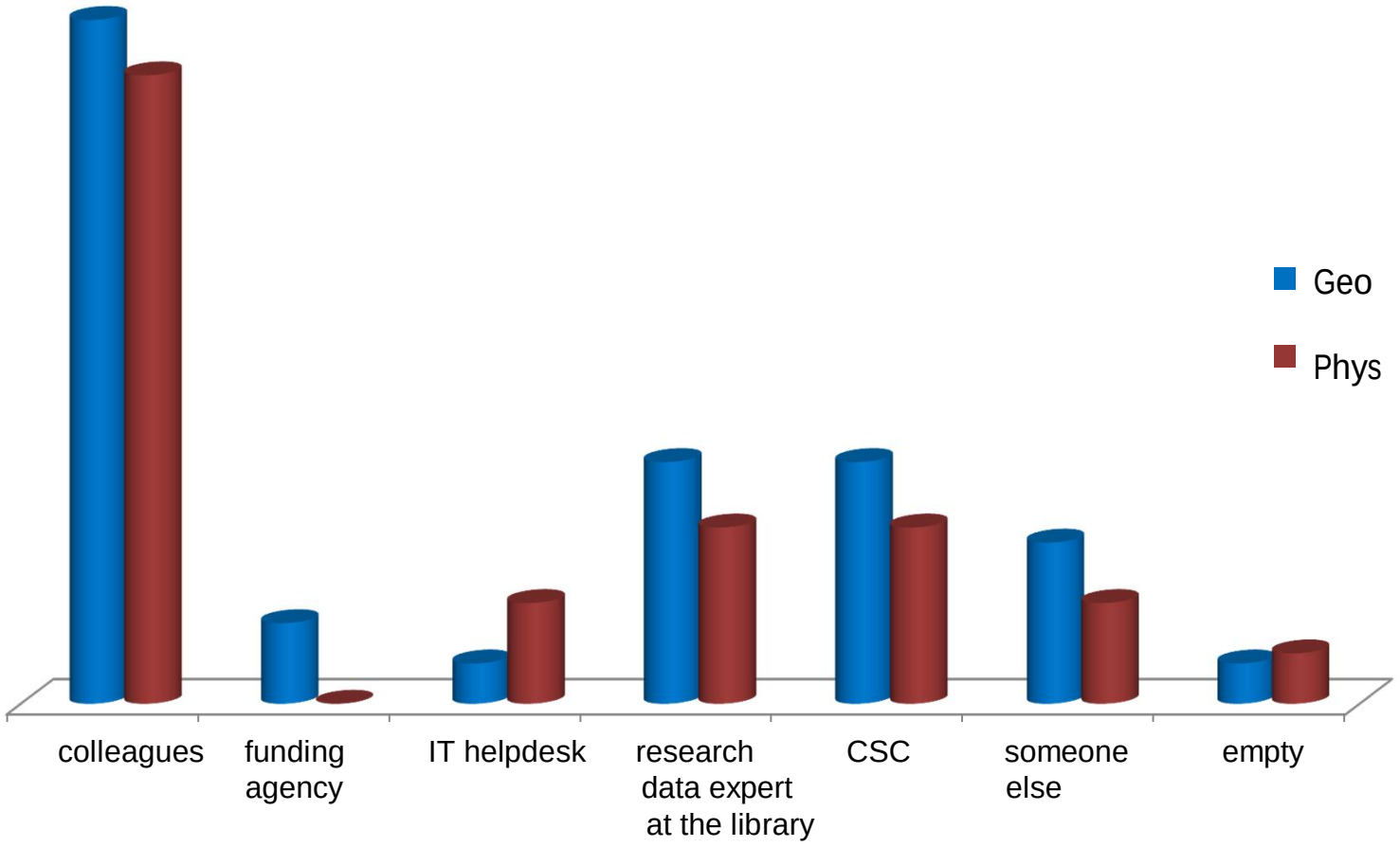


10. … Who can tell you what data archives are in use in your field of research? (8 comments)

Itse olen tähän asti kaivanut tietoa nettiä surffaamalla ja alani julkaisuista lukemalla aineistolähteet avoimeen GIS/RS dataan sekä saanut joitain vinkkejä myös kollegoilta

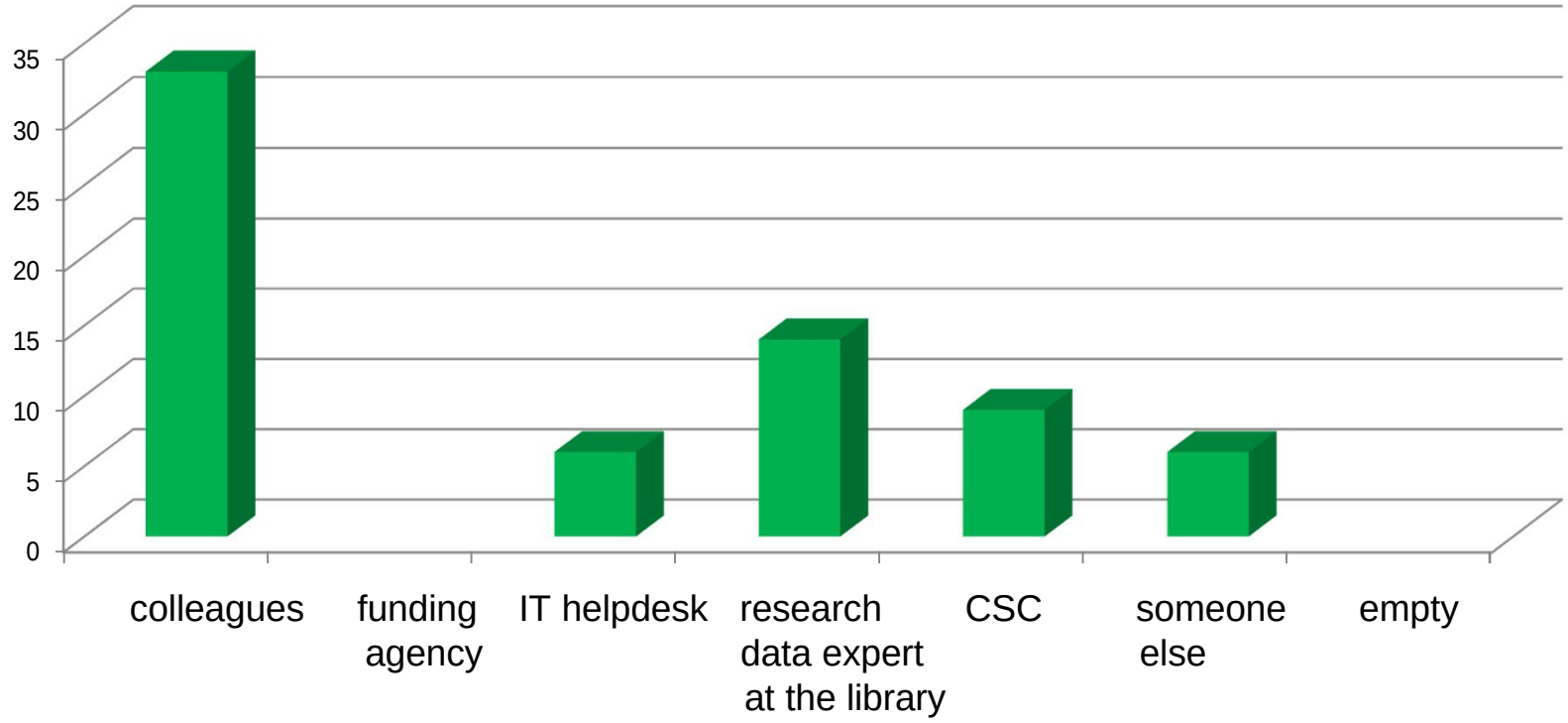
Tunnen itse oman alani aineistomahdollisuudet

Kansainvälinen tutkijayhteisössä on datan jakamiseen selvät proseduurit

Muualla tutkimusta tekevät tuttavat

I do not know

11. …who can give advice as to what are the applicable instructions in University of Helsinki and how to find them?



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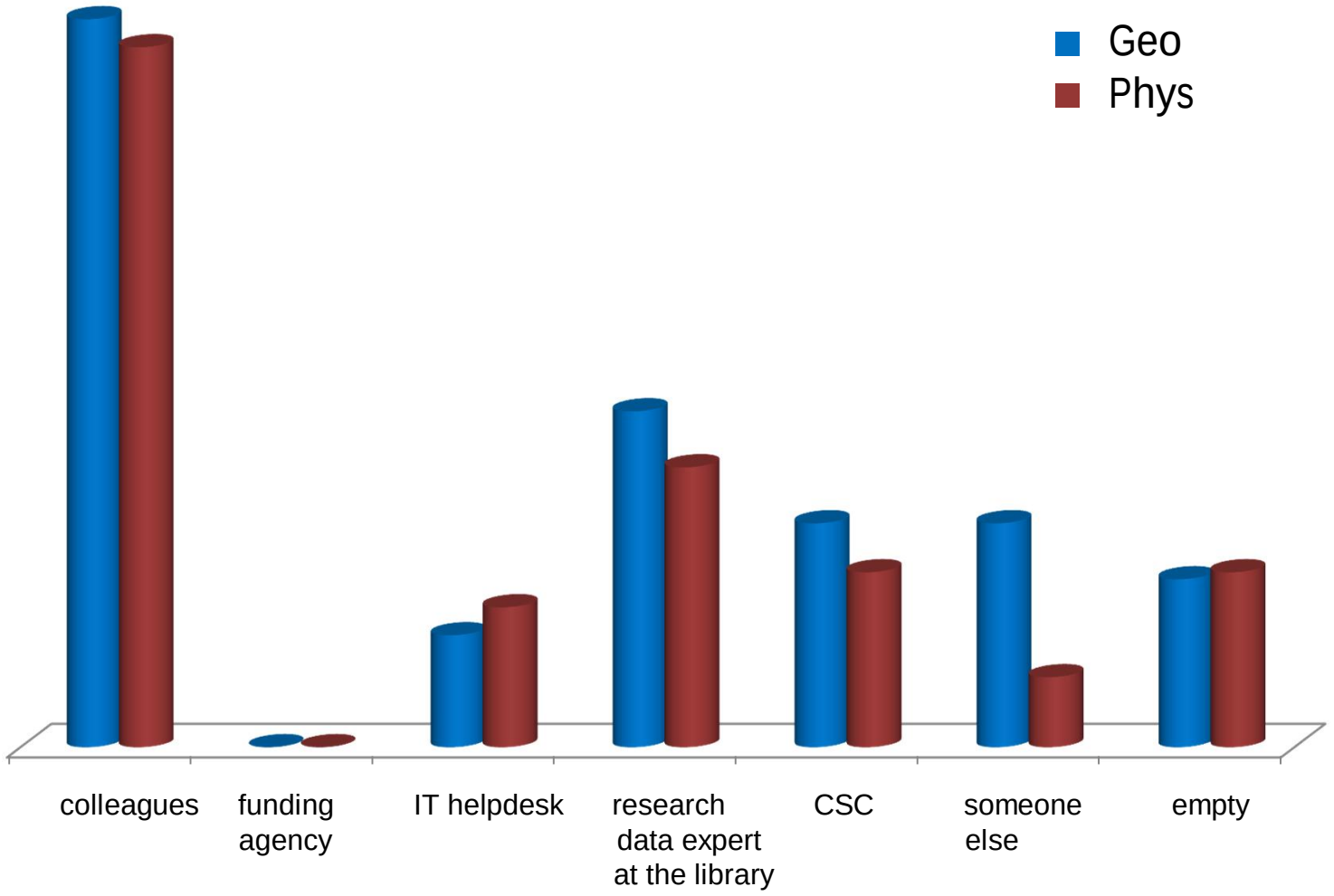

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Tietoa olen saanut nettiä surffaamalla ja alani julkaisuista - sekä saanut joitain vinkkejä kollegoilta

En tiedä ollenkaan kuka osaa neuvoa

I do not know, and would be happy to know

Flamma tai alma, toivottavasti. Jos ohjeet ovat olemassa, ne ovat toivottavasti luettavissa

- **Any comments re research data?**
  (16 comments)

- Some themes:
  - Importance of research data
  - Need for safe and cost-efficient storage solutiond
  - Lack of money, time and workforce
  - Different disciplines have different needs – huge amounts of data vs. small datasets with little need for sharing, and everything in between

Maantieteen osaston eri tutkimusryhmissä on SUURI tarve laajojen GIS/RS datojen turvalliseen tallentamiseen ja aineiston jakelun järkeistämiseen

En tunne kirjaston tutkimusdataan liittyviä palveluja.

olisi hyvä kuulla miten kollegat ovat arkistoineet laadullisia aineistoja. voisikohan kirjasto ylläpitää jotain tietokoostetta tutkimusaloittain ja aineistotyypeittäin siitä mitä aineistoja on arkistoitu mihinkin ja miten?

Tutkimushankkeissa ei asiaa resurssoida eikä mikään mittari mittaa asiassa onnistumista.

This stuff is hardly talked about. Or it's very confusing.

Tulee myös muistaa ettei kaikki aineisto ole projektien aineistoa vaan yksittäiset tutkijat kerävät ainutlaatuista aineistoa jota haluavat itse hallita. Tueksi kuitenkin tarvitaan teknistä ja rahallista apua aineiston säilyttämisessä

To sum up

- We wanted to map the situation
- We also wanted alert the research community to that things are moving forward
- The turnout was good
- Colleagues are the no. 1 source, but not sufficient
- The researchers clearly need more RD support, and more disc storage (both space and options)

What next?

- More info will be available in Flamma
- More storage space both locally (HU IT Services) and at CSC/IDA
- The library is planning to be a part of future support network, in cooperation with IT services and HU research affairs
- In Kumpula, geosciences will be the starting point

Thank you!

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